CLAIMS:

What is claimed is:

1	1.	A method comprising:	
2		removing material from a surface of a wafer by chemical mechanical	
3	polishing the wafer with a slurry comprising an oxidation agent for the		
4	mater	ial and a buffer; and	
5		monitoring the current required to rotate the wafer as a measure of	
6	the m	naterial removal endpoint.	
1	2.	The method of Claim 1, further comprising:	
2		buffering with a weak organic acid/salt pair.	
1	3.	The method of Claim 2, further comprising:	
2		buffering with a weak organic acid/salt from the group consisting of	
3	citric	citric acid/potassium citrate, acetic acid/potassium acetate and ascorbic	
4	acid/	potassium ascorbate.	
1	4.	A composition comprising:	
2		a slurry for chemical mechanical polishing a metal material;	
3		an oxidizing agent for the metal material;	
4		an abrasive; and	
5		a buffer;	
6		wherein the composition is suitable for use in a chemical mechanical	
7	polisł	n process.	
1	5.	The composition of Claim 4, wherein the oxidizing agent is hydrogen	

- The composition of Claim 4, wherein the oxidizing agent is hydrogen
 peroxide.
- 1 6. The composition of Claim 4, wherein the buffer is a weak organic acid/salt pair.

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- 7. The composition of Claim 6, wherein the weak organic acid
- 2 comprises one of the group consisting of citric acid/potassium citrate, acetic
- acid/potassium acetate and ascorbic acid/potassium ascorbate.
- 1 8. The composition of Claim 4, wherein the metal film comprises one
- of the group consisting of tungsten and titanium nitride.
- 1 9. The composition of Claim 4, wherein the oxide film comprises
- 2 silicon dioxide.
- 1 10. The composition of Claim 4, wherein the abrasive comprises one of
- 2 the group consisting of silica and alumina.
- 1 11. The composition of Claim 4, wherein the endpoint signal of the
- 2 buffered slurry is enhanced over the endpoint signal of the unbuffered
- 3 slurry by at least a factor of two.
- 1 12. A kit comprising:
 - a slurry for chemical mechanical polishing a metal material;
- an oxidizing agent for the metal material;
 - an abrasive; and
- 5 a buffer.
- 1 13. The kit of Claim 12, wherein the metal comprises one of the group
- 2 consisting of tungsten and tantalum nitride.
- 1 14. The kit of Claim 12, wherein the abrasive comprises one of the group
- 2 consisting of silica or alumina.
- 1 15. The kit of Claim 12, wherein the buffer is an organic acid/salt pair.
- 1 16. The kit of Claim 15, wherein the organic acid comprises one of the
- 2 group consisting of citric acid/potassium citrate, acetic acid/potassium
- acetate and ascorbic acid/potassium ascorbate.

- 1 17. The kit of Claim 12, wherein the endpoint signal of the buffered
- 2 slurry is enhanced over the endpoint signal of the unbuffered slurry by at
- 3 least a factor of two.